

Himalaya G12 Series

685W

132-cell Bifacial HJT Half Cell
Double-glass Solar Module



HJT-0BB Technology

Shorter current transport path, better low-light performance, and higher power generation.



Sealing with PIB

Stronger moisture resistance, greater air impermeability to extent module lifespan.



Up to 95% bifaciality Rate

Natural symmetrical bifacial structure, with more energy yield from the rear.



Suitable for Utility Scenarios

Effectively reduce BOS costs and lower LCOE.



Complete System and Product Certifications:

IEC61215, IEC61730

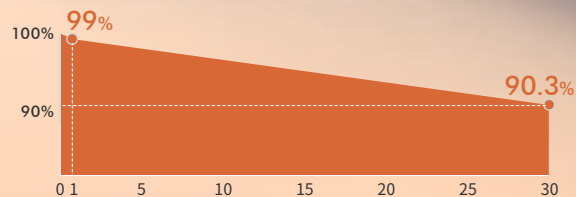
ISO9001:2015 Quality Management System

ISO14001:2015 Environment Management System

ISO45001:2018 Occupational Health and Safety

IEC62941:2019 Terrestrial photovoltaic (PV) modules- Quality system for PV module manufacturing

IEC/TS62994: 2019 Photovoltaic (PV) Modules Through the Life Cycle-environmental Health and Safety (EH&S) Risk Assessment-general Principles and Nomenclature



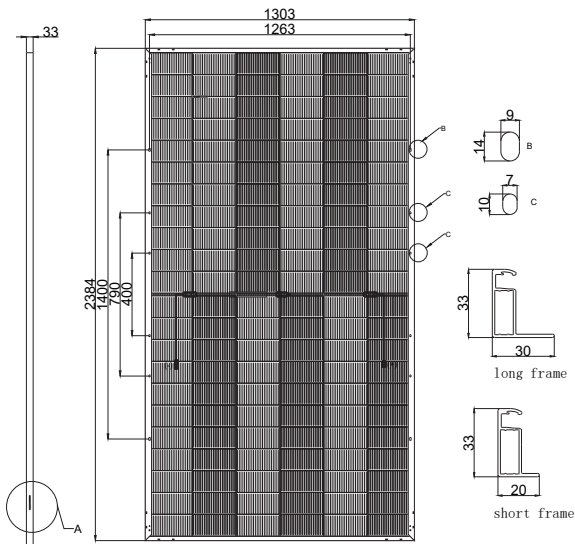
* First year power degradation $\leq 1\%$
 * Annual power degradation (2-30 year) $\leq 0.3\%$
 * Power output until the 30th year $\geq 90.3\%$

HSN-210-B132 685W

132-Half-Cell Bifacial HJT Module

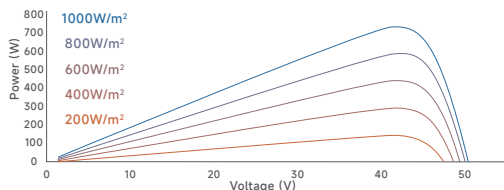
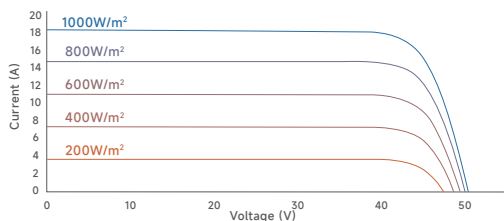
Engineering Drawings

Unit: mm



I-V Curve

(HSN-210-B132DS730)



Temperature Characteristics

Temperature Coefficient of Pmax	-0.24%/°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	+0.04%/°C

Operating Conditions

Nominal Operating Cell Temp.	44±2°C
Operating Temperature	-40~+85°C
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	35A
Tolerance of Pmax	0~+3%
Power Selection	0~+5W
Bifaciality	90±5%
Safety Class	Class II

Mechanical Characteristics

Cell Type	HJT
No. of Cells	132 (6x22)
Dimensions	2384 x 1303 x 33 mm
Weight	37.9 kg
Junction Box	IP68
Cable	4mm²; +350/-250mm or customized; UV resistant
Connector	PV-H1 / MC4-Evo 2 / Others
Frame	Anodized aluminum alloy frame
Max Static Load (front side/rear side)	5400Pa / 2400Pa
Glass	Dual glass, 2.0mm

Electrical Characteristics

STC

HSN-210-B132	DS685
Maximum Power (Pmax/W)	685
Module Efficiency (%)	22.1
Voltage at Pmax (Vmp/V)	41.51
Current at Pmax (Imp/A)	16.51
Open Circuit Voltage (Voc/V)	49.47
Short Circuit Current (Isc/A)	17.54

STC: AM1.5, 1000W/m², 25°C.

BNPI

Maximum Power (Pmax/W)	768
Voltage at Pmax (Vmp/V)	41.65
Current at Pmax (Imp/A)	18.44
Open Circuit Voltage (Voc/V)	49.64
Short Circuit Current (Isc/A)	19.67

BNPI: AM1.5, 1000W/m², 135W/m², 25°C.

NOCT

Maximum Power (Pmax/W)	523
Voltage at Pmax (Vmp/V)	39.64
Current at Pmax (Imp/A)	13.20
Open Circuit Voltage (Voc/V)	47.22
Short Circuit Current (Isc/A)	14.02

NOCT: AM1.5, 800W/m², 20°C, 1m/s.

Packaging

	40'HQ
Modules Per Pallet	33
Pallets Per Container	18
Modules Per Container	594



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